



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Miami Wall Systems, Inc.
701 West 25th Street
Hialeah, FL 33010

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "106" Aluminum Horizontal Rolling Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. NOA 106 LM, titled "Horiz Rolling Window Series 106", sheets 1 through 6 of 6, dated 10/13/09, with revision #1 dated 06/18/15, prepared by manufacturer, signed and sealed by Jorge E. Valdes, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 09-1130.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



WP
9/17/15

NOA No. 14-1112.01
Expiration Date: February 03, 2020
Approval Date: September 24, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA #04-1122.02)
2. Drawing No **NOA 106 LM**, titled "Horiz Rolling Window Series 106", sheets 1 through 6 of 6, dated 10/13/09, with revision #1 dated 06/18/15, signed and sealed by Jorge E. Valdes, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4359**, dated 10/19/04, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA #04-1122.02)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4361**, dated 10/15/04, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA #04-1122.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 11/23/09 and revised on 02/23/10, prepared by manufacturer, signed and sealed by Jorge E. Valdes, P.E.
(Submitted under previous NOA #09-1130.03)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).


Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-1112.01

Expiration Date: February 03, 2020
Approval Date: September 24, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "Butacite® PVB Glass Interlayer" dated 04/25/15, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated June 18, 2015, issued, signed and sealed by Jorge E. Valdes, P.E.

G. OTHERS

1. Notice of Acceptance No. **09-1130.03**, issued to Miami Wall Systems, Inc. for their Series 106 Aluminum Horizontal Sliding Window - L.M.I., approved on 03/17/10 and expiring on 02/03/15.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 14-1112.01

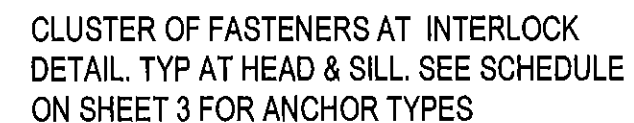
Expiration Date: February 03, 2020

Approval Date: September 24, 2015

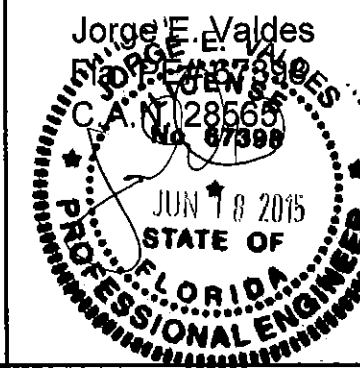


GENERAL NOTES:

1. HIS PRODUCT HAS BEEN DESIGNED & TESTED IN ACCORDANCE WITH THE FBC FIFTH EDITION (2014, HIGH VELOCITY HURRICANE ZONE)
2. FRAME HEAD AND SILL USE SAME FASTENER SPACING.
3. LARGE MISSILE IMPACT (LMI): UNIT REQUIRED TO BE INSTALLED UP TO 30 FT ABOVE THE GRADE.
4. SHUTTERS ARE NOT REQUIRED.
5. XO & OX WINDOW CONFIGURATIONS ARE ACCEPTABLE.
6. SEE CHART ON SHEET 3 FOR ANCHORAGE OPTIONS AND SPACING.
7. SEE CHART ON SHEET 4 FOR REINFORCEMENT OPTIONS.



PRODUCT REVISED
as complying with the Florida
Building Code 14-1112.01
Acceptance No.
Expiration Date Feb. 3, 2020
By Manuel Perez
Miami Dade Product Control



Miami Wall Systems, Inc.

701 West 25th Street
Hialeah, Florida. 33010

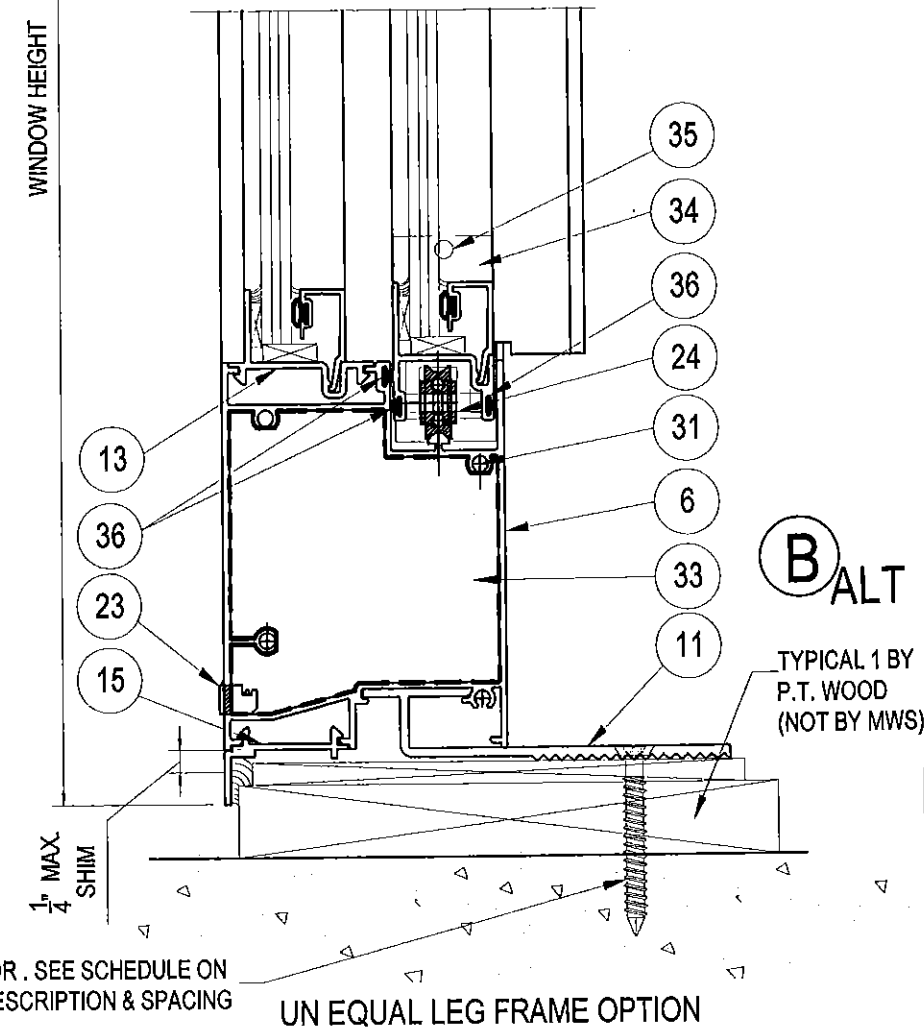
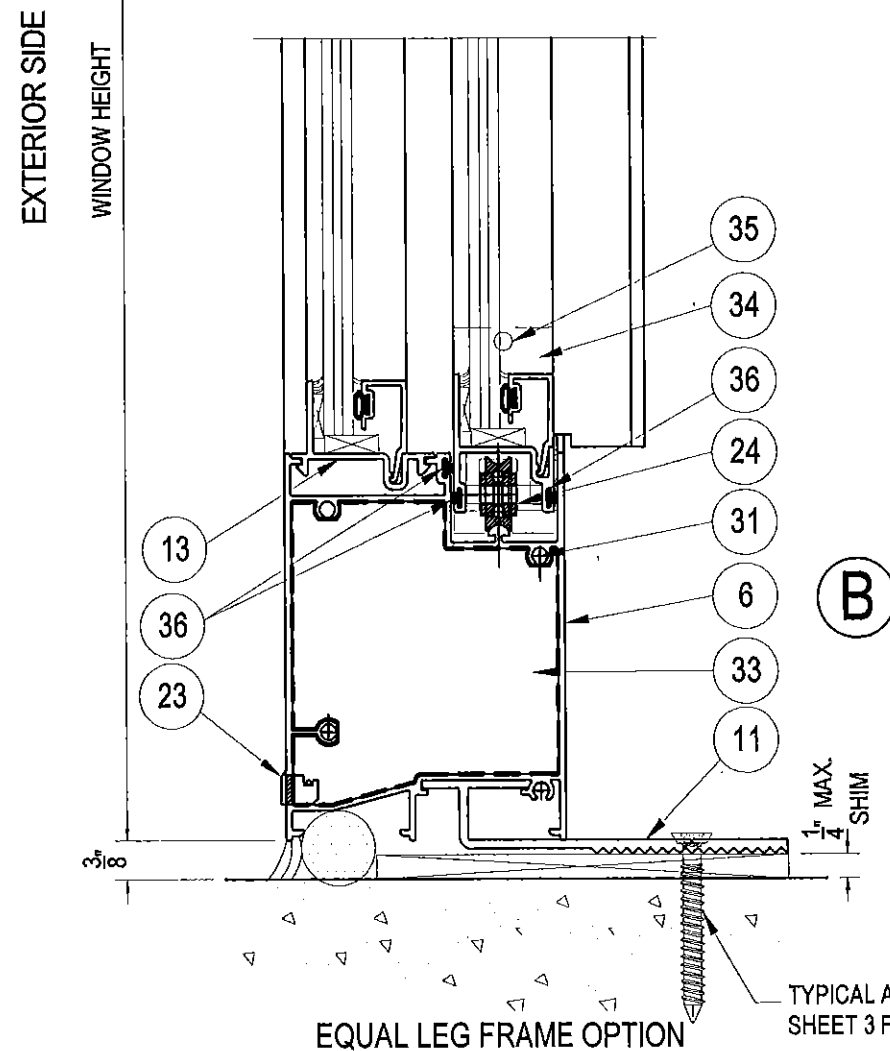
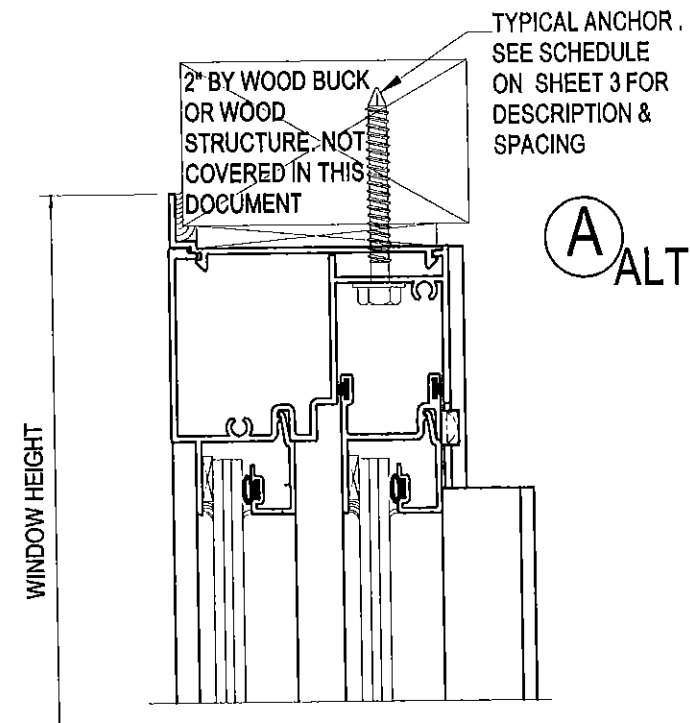
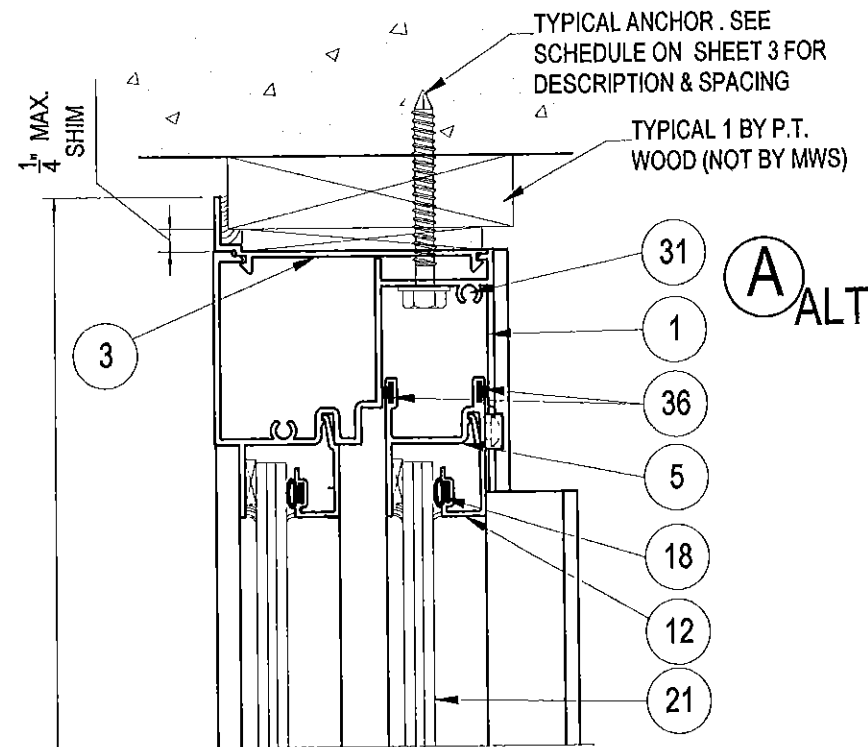
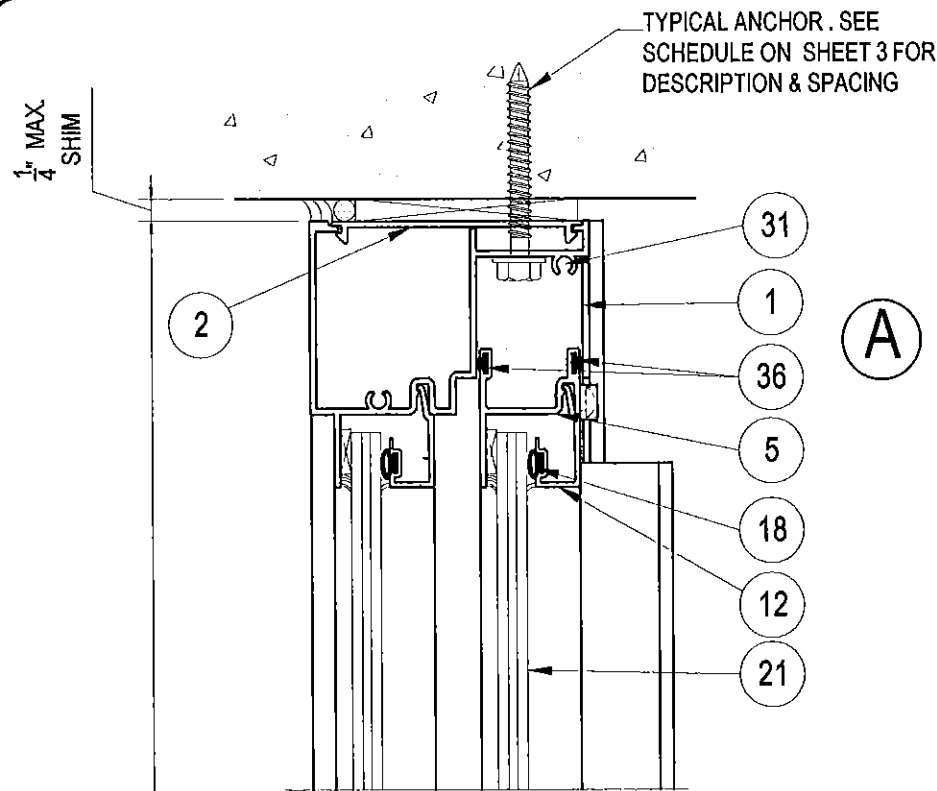
Phone:(305) 888-2300 Fax:(305) 888-3058



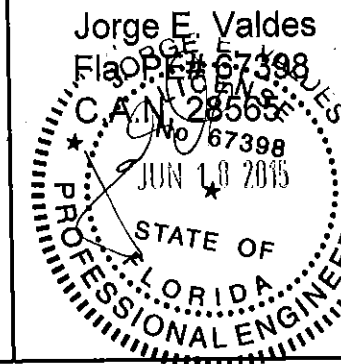
HORIZ ROLLING WINDOW SERIES 106

ELEVATIONS
GENERAL NOTES

NO.	DATE	REVISION
1	6/18/15	UPDATE TO FBC 5th Ed. (2014)
DATE: 10/13/2009		
SCALE: AS NOTED		
DWG. BY: L.R.A		
CHK. BY: JV		
DWG NO.: NOA 106 LM		
SHEET 1 OF 6		



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Miami Made Product Control

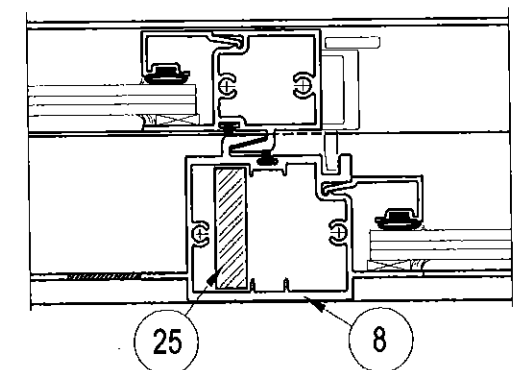
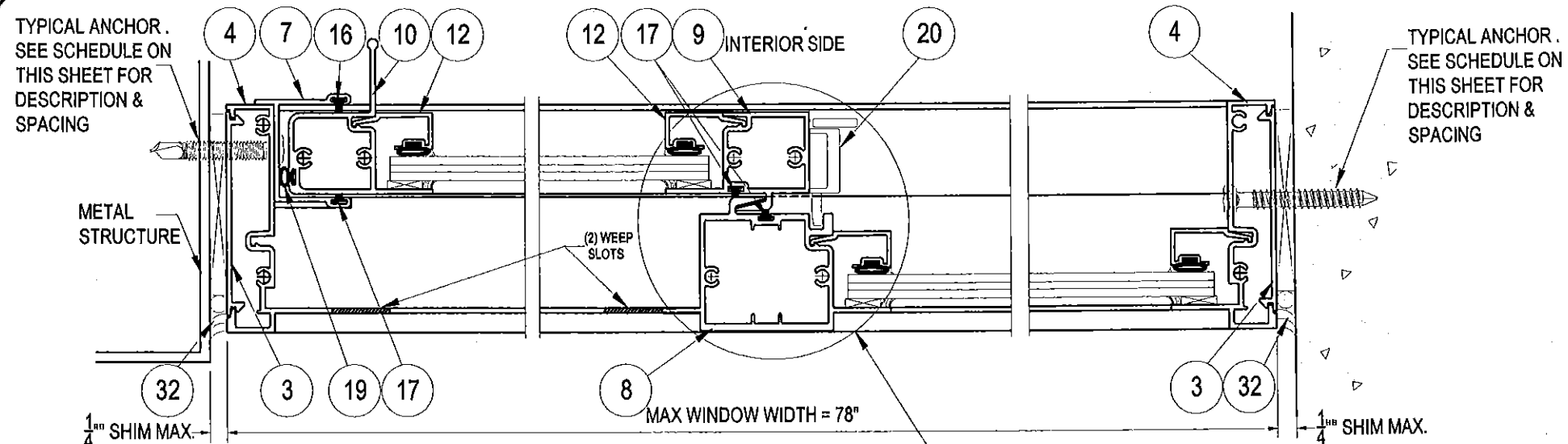


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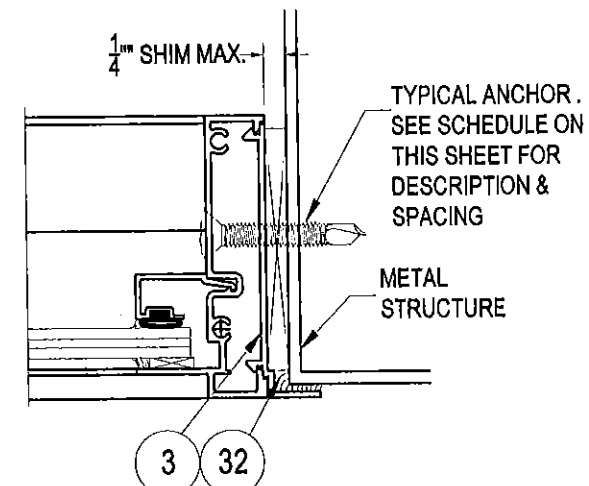
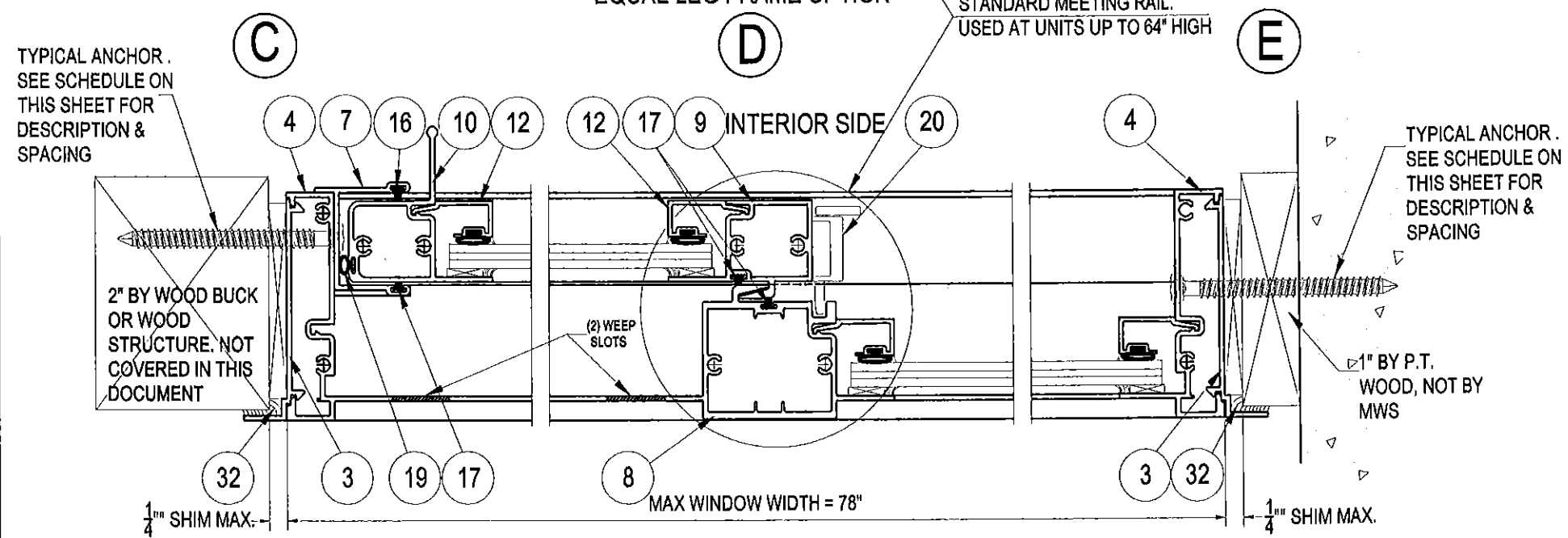
HORIZ ROLLING WINDOW SERIES 106
CROSS SECTIONS

NO.	DATE	REVISION
1	6/18/15	UPDATE TO FBC 5th Ed. (2014)

DATE: 10/13/2009
SCALE: AS NOTED
DWG. BY: L.R.A.
CHK. BY: JV
DWG NO.: NOA 106 LM
SHEET 2 OF 6



REINFORCED MEETING RAIL REQUIRED
SEE CHART ON SHEET 4 FOR DETAILS



ANCHORS SCHEDULE		
FASTENER DESCRIPTION	MAX SPACING ON CENTERS (S max)	
	HEAD / SILL	JAMBS
1/4" Ø ULTRACON BY ELCO INTO HOLLOW BLOCK OR 2,700 p.s.i MIN CONCRETE WITH 1 1/2" MIN. EMBEDMENT & 2 1/2" MIN. EDGE DISTANCE.	14 3/4"	12"
#14 WOOD SCREW INTO 2" BY WOOD BUCK OR THICKER WOOD STRUCTURE WITH 1 1/2" MIN. PENETRATION INTO WOOD & 1" MIN. EDGE DISTANCE.	14 3/4"	12"
1/4" Ø ULTRACON BY ELCO TROUGH 1" BY WOOD BUCK & INTO HOLLOW BLOCK OR 2,700 p.s.i MIN CONCRETE WITH 1 1/2" MIN. EMBEDMENT & 2 1/2" MIN EDGE DISTANCE	13 1/4"	12"
#14 SELF DRILLING SCREW INTO 1/8" MIN THICK METAL STRUCTURE WITH 1" MIN. EDGE DISTANCE AS FOLLOWS: - A36 STEEL. - ALUMINUM ALLOY 6063-T5	14 3/4"	12"

NOTE: METAL STRUCTURES AND WOOD BUCKS ARE NOT PART OF THIS DOCUMENT AND MUST BE ENGINEERED SEPARATELY.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-1112.01
Expiration Date Feb 3, 2020
By *Manuel Perez*
Miami Trade Product Control

Jorge E. Valdes
Fla. P.E. # 67398
C.A.N. # 28506
No. 67398
JUN 18 2019
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Miami Wall Systems, Inc.
701 West 25th Street
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Phone: (305) 888-2300 Fax: (305) 888-3058

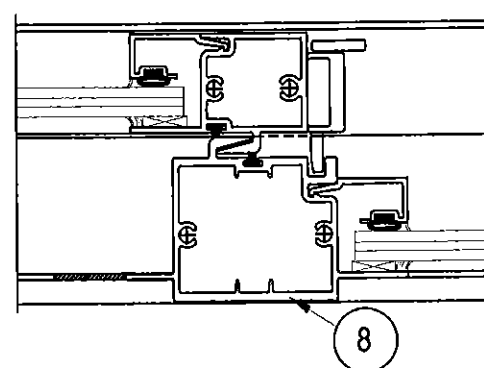
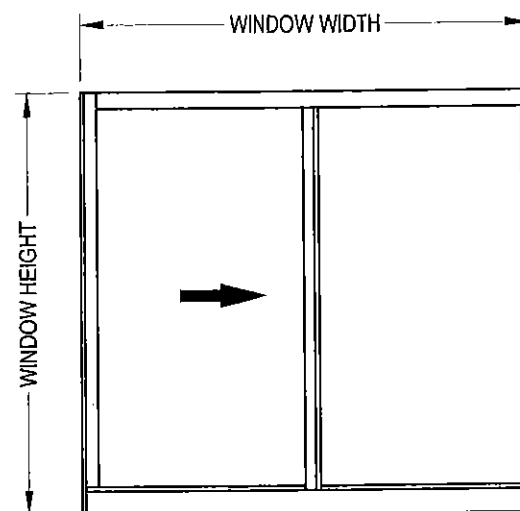
HORIZ ROLLING WINDOW SERIES 106

CROSS SECTIONS

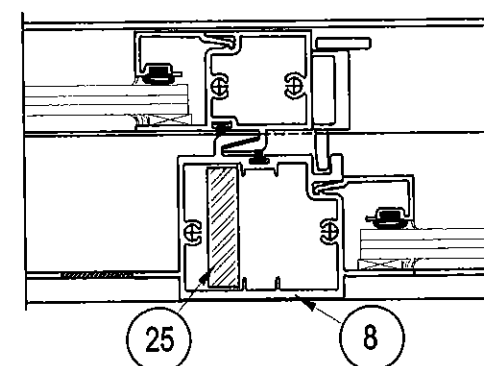
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DATE: 10/13/2009
SCALE: AS NOTED
DWG. BY: L.R.A.
CHK. BY: JV
DWG NO.: NOA 106 LM
SHEET 3 OF 6

SLIDING WINDOW DIMENSIONS (INCHES)		ALLOWABLE LOAD CAPACITY (p.s.f.)	
WIDTH	HEIGHT	MEETING RAIL TYPE	
		STANDARD	REINFORCED
54	48	±90	±90
60		±90	±90
66		±90	±90
72		±90	±90
78		±90	±90
54	56	±90	±90
60		±90	±90
66		±90	±90
72		±90	±90
78		±90	±90
54	64	±90	±90
60		±90	±90
66		±90	±90
72		±90	±90
78		±90	±90
54	72	-	±90
60		-	±90
66		-	±90
72		-	±90
78		-	±90



STANDARD MEETING RAIL DETAIL



REINFORCED MEETING RAIL DETAIL

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By *Manuel Perez*
Miami/Dade Product Control

Jorge E. Valdes
Fla. Reg. No. 57598
Professional Engineer
No. 67398
JUN 14 2015
STATE OF FLORIDA

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SHEET 4 OF 6

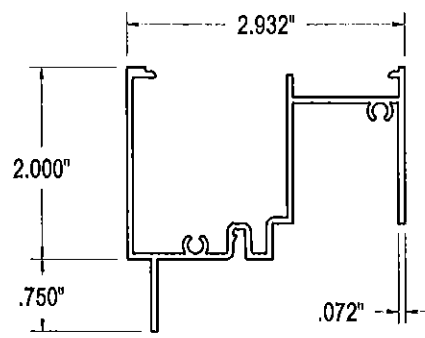
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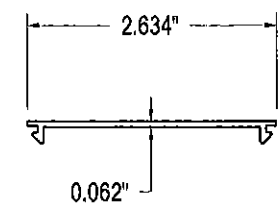
Phone: (305) 888-2300 Fax: (305) 888-3058

HORIZ ROLLING WINDOW SERIES 106

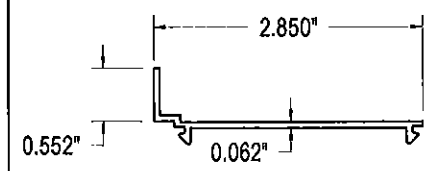
MULLION LOAD CHART



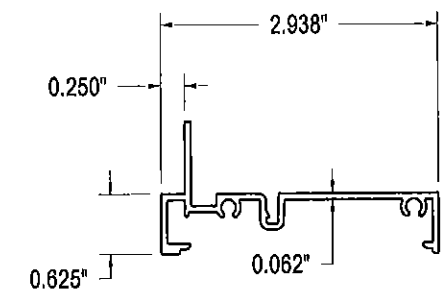
1 EQUAL LEG FRAME HEAD
DIE # 106-010
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



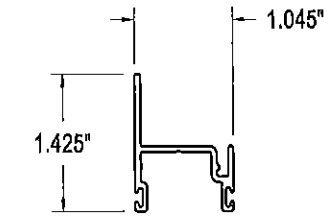
2 EQUAL LEG SNAP-IN PLATE
DIE # 122-011
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



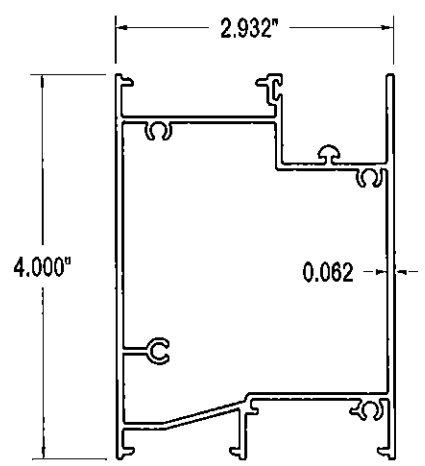
3 FLANGE LEG ADAPTOR
DIE # 106-020
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



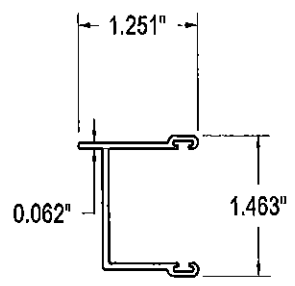
4 FIXED FRAME
DIE # 106-014
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



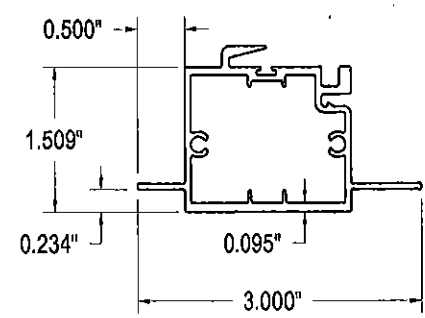
5 VENT HEAD & SILL
DIE # 104-002
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



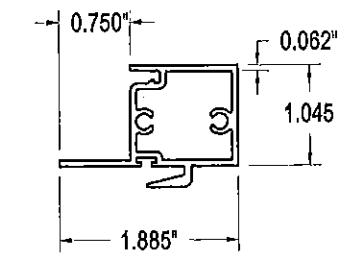
6 FRAME SILL
DIE # 106-011
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



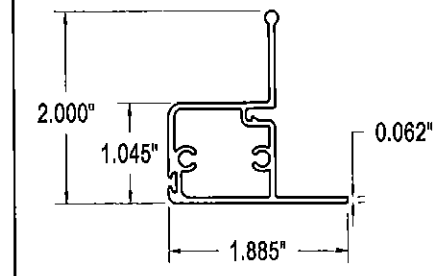
7 VENT JAMB ADAPTOR
DIE # 106-016
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



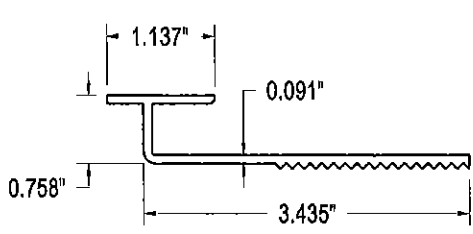
8 FIXED MEETING RAIL
DIE # 106-015
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



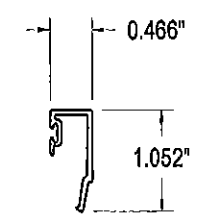
9 MOVING MEETING RAIL
DIE # 104-007
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



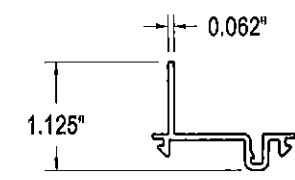
10 VENT PULL STILE
DIE # 106-017
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



11 SILL ANCHOR
DIE # 106-018
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .091"

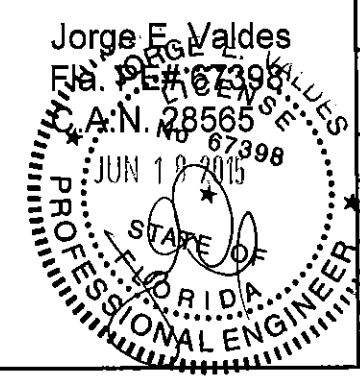


12 GLAZING BEAD FOR
5/16" GLASS
DIE # 104-003
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



13 TOP ADAPTOR FOR
FRAME SILL
DIE # 106-012
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"

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By *Manuel Perez*
Miami/Dade Product Control



Miami Wall Systems, Inc.

701 West 25th Street
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Phone: (305) 888-2300 Fax: (305) 888-3058

HORIZ ROLLING WINDOW SERIES 106

EXTRUSIONS

NO.	DATE	REVISION
1	6/18/15	UPDATE TO FBC 5th Ed. (2014)

DATE: 10/13/2009

SCALE: AS NOTED

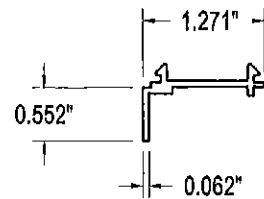
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CHK. BY: JV

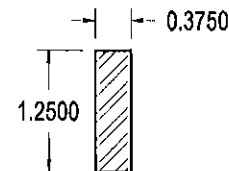
DWG NO.: NOA 106 LM

SHEET 5 OF 6

MATERIALS LIST				
ITEM NO.	DESCRIPTION	REQ'D	PART NUMBER	COMMENTS
(1)	EQUAL LEG FRAME HEAD	1	106-010	
(2)	EQUAL LEG ADAPTOR	4	122-011	
(3)	FLANGE LEG ADAPTOR	3	106-020	HEAD & JAMBS
(4)	FIXED FRAME	2	106-014	FRAME JAMBS
(5)	VENT HEAD & SILL	2	104-002	
(6)	FRAME SILL	1	106-011	
(7)	VENT JAMB ADAPTOR	1	106-016	
(8)	FIXED MEETING RAIL	1	106-015	
(9)	MOVING MEETING RAIL	1	104-007	
(10)	VENT PULL STILE	1	106-017	
(11)	2" WIDE SILL ANCHOR	AS REQUIRED	106-018	
(12)	GLAZING BEAD	AS REQUIRED	104-003	
(13)	TOP ADAPTOR	1	106-012	MEETING RAIL/ FRAME SILL
(14)	P.T. WOOD BUCKS	AS REQUIRED		1" BY OR 2" BY
(15)	FLANGE LEG ADAPTOR	1	106-021	FRAME SILL
(16)	FIN SEAL	AS REQUIRED	7823-6001-6	SCHLEGEL @ VENT JAMB ADAPTOR, INTERIOR
(17)	FIN SEAL	AS REQUIRED	7916-6001-0	SCHLEGEL- VERT. INTERLOCKS & VENT ADAPTOR
(18)	BLACK BULB VINYL	AS REQUIRED	3171 PROTOTYPE	WITH GLAZING BEAD
(19)	BLACK BULB VINYL	AS REQUIRED	3033-0005	USED @ VENT PULL STILE
(20)	SWEEP LATCH	2	672232	DECO- DIE CAST
(21)	GLASS- LARGE MISSILE	2		LAMINATED GLASS (SEE SHEET 1)
(22)	SETTING BLOCKS	(2) PER LITE		3/16" X 1/2" X 4" LG EPDM
(23)	WEEP WITH FLAPPER	(2) PER FRAME	79500	ASHLAND- (2) PART NYLON
(24)	TANDEM WHEEL ASSEMBLY	(1) PAIR	(4) WHEELS	ALUM. HOUSING-S/S BB, AXLE & NYLON WHEEL
(25)	3/8" X 1 1/4" STEEL BAR	AS PER D.P.		REINFORCING @ FIXED INTERLOCK
(27)	GLAZING TAPE	AS REQUIRED		3/16" X 3/8" CON'T P.S.A. (2) SIDES
(28)	SILICONE CAP BEAD	AS REQUIRED		TREMCO SPECTREM II, DOW 795 OR GE 4000
(30)	SWEEP LATCH FASTENERS	(2) EACH LATCH		(2) #8-32 X 1/2" F.H.S.M.S., S/S
(31)	ASSEMBLY FASTENERS	AS REQUIRED		#10 X 1" P.H.S.M.S., S/S
(32)	PERIMETER CAULKING			BACKER ROD AS REQUIRED
(33)	.032" SEALING END CAP	2	1" X 2 5/32" X 1"	SEAL IN PLACE @ ENDS OF FR. SILL
(34)	.032" SWEEP PLATE	1	1 1/32" X 2 1/8"	BOTTOM OF MOVING INTERLOCK
(35)	#8 X 3/8" PHSMS, S/S	1		ATTACH SWEEP PLATE
(36)	FIN SEAL	AS REQUIRED	7913-6001-3	SCHLEGEL- HORIZ. VENT TOP & BOTT. RAILS



15 FLANGE LEG ADAPTOR
FRAME SILL
DIE # 106-021
MATERIAL: ALUMINUM
ALLOY: 6063-T5
TYPICAL WALL: .062"



25 STEEL REINFORCEMENT
AT FIXED INTERLOCK
MATERIAL: A36 STEEL

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By Manuel Perez
Miami Dade Product Control

Jorge E. Valdes
Fla. PE# 67398
C.A.N. 28505

No 67398
JUN 18 2005
STATE OF
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PROFESSIONAL ENGINEER

NO.	DATE	REVISION
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SHEET 6 OF 6		

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HORIZ ROLLING WINDOW SERIES 106

BILL OF MATERIALS & EXTRUSIONS